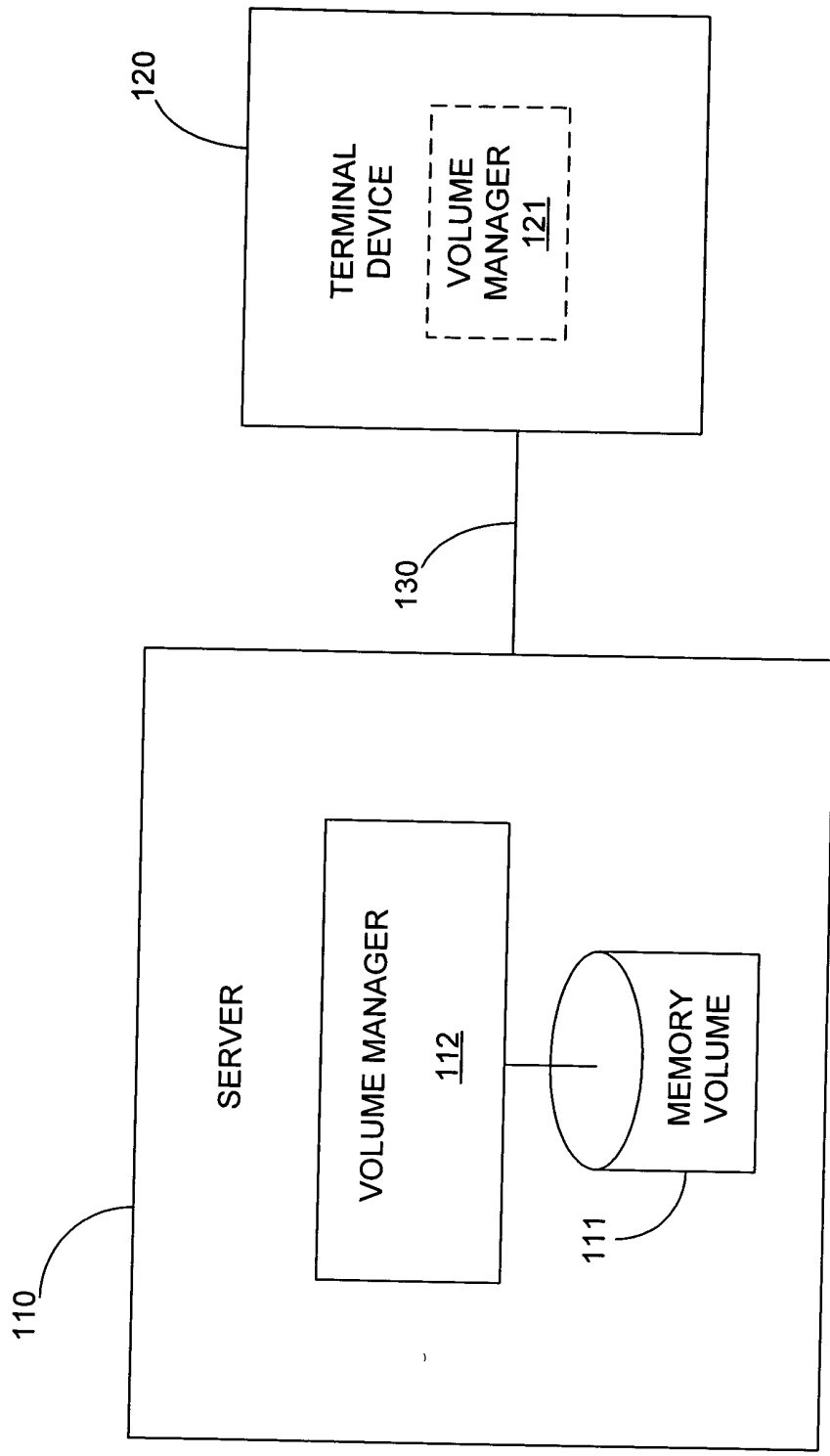


Figure 1



100

FIG. 2

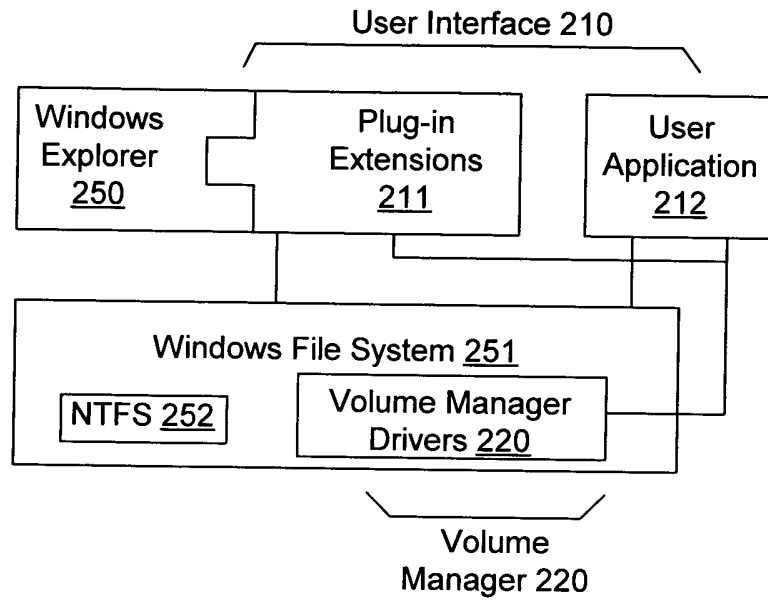


FIG. 3

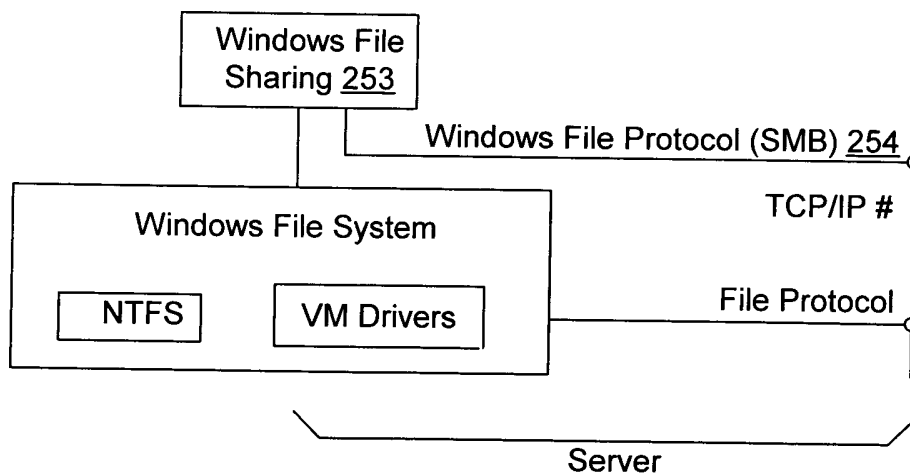


FIG. 4

The diagram illustrates the architecture of a File System Manager (FMS). At the top, a horizontal bar represents the **VolumeManager (not persistent)**. Below it, the system is organized into several layers and components:

- External Interfaces:**
  - Socket Manager (580)** and **RMI Interface (582)** connect to the VolumeManager.
  - Core Calls (584)** interface with the RMI Interface.
- Thread Pools and Workers:**
  - A **Thread Pool (570)** contains **Socket Reader (571)** and **Socket Writer (572)**.
  - A **Thread Pool (575)** contains a **Socket Worker (576)**.
- Processing Modules:**
  - Notification (560):** Includes **Notify Event**, **Notify Folder**, and **Notify File**.
  - File System Data Structures (FSNode) (530):** Includes **Taggable** (Slot, Entry), **Item** (Container, Stream), and **Value Holder**.
  - Volume (525):** A central component for file system data.
  - Transaction Wrapper (510):** Includes **List**, **Stat**, **Mkdir**, **Delete**, **Open**, and **Close**.
  - Request (506):** Includes **List**, **Stat**, **Mkdir**, **Delete**, **Open**, and **Close**.
  - Grok/Adapter (504):** Connects to **Blobs (NTFS) (508)** and **System Call Dispatcher (507)**.
  - Grok Analyzer (557) and HTML Parser (556):** Part of a **Lucene** (555) module.
  - Index Transaction (552) and Hash Transaction (551):** Part of a **Dedicated Threads Stream** module.
  - Trigger (546):** Includes **Close Trigger** and **Email Trigger**.
- Other Functions (Cloud):**
  - Logging
  - JUnit testing
  - IdNumberManager
  - Persistent GC
  - SHA-1 hash calculation
  - XML functions
  - Misc Utilities
- ObjectStore (520):** A database component at the bottom right.

